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(71) Applicant: IWASAKI ELECTRIC CO LTD

(72) Inventor: KAWAI HIROSHI
HORIKOSHI SOICHIRO

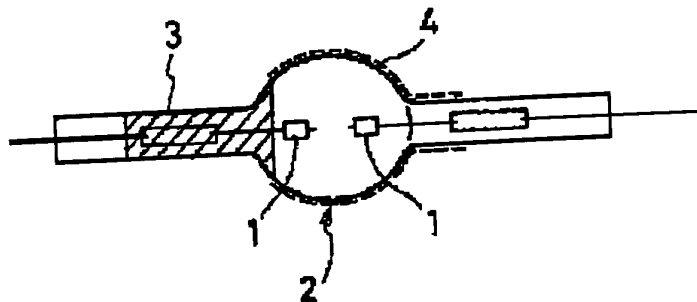
(74) Representative:

(54) METAL HALIDE LAMP WITH TRANSPARENT INSULATION COATING FILM

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a metal halide lamp in which wetting of a luminescent tube is enhanced while improving transmission rate of a visible light ray area, stability of a color temperature is ensured, missing of transmission of a luminescent tube is restrained, and efficiency is unproved.

SOLUTION: A metal halide, a mercury, and a starting gas is sealed therein, and application-type non-transparent metal oxide insulation coating film 3 is formed on one end surface of a luminescent tube 2 provided with electrode 1, 1 on both ends thereof, and the material has characteristics in which an average transmission rate in visible light ray area of 3280 to 780nm is 94% or more, and an areage reflection factors in an infrared ray area of 780 to 1500nm and 780 to 4000nm are 10 to 30% both on the remaining luminescent tube surface. A transparent insulation coating film 4 made of a plurality of layers of three or more layers of two of more kinds of metal oxides selected from Ta₂O₅, TiO₂ or the like.



reflection

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